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THE AMERICAN UNIVERSITY
Department of Biology

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NT's HC #3.52

ERTS Image Analysis: Preliminary Report #1
January 1973

ID # 1062-15190

Date of Acquisition, 22 Sept. 1972

A simple feature discriminator for sedimentation levels in rivers and
shoal estuarine waters has been applied by Dr. J. S. Schubert to the 23
September 1972 Washington Image (ID # 1062-15190). Figure 1 shows the
results at the confluence of the Potomac and Anacostia Rivers. Hain's Point
and the Washington Channel are also visible.

Procedure: Data values for CCT MMS7 are geographically located by
GEOG_LOC, and then scanned for low values. Geographic coordinates in Channels
4, 5, and 6 are then multiplied thus: $4 \times 5 \times 6 = \underline{\hspace{2cm}}$. Previously selected
product ranges are matched with each pixel product. The matching range is
associated with a type symbol and printed, using ERTS_MAP. Procedure
references are to ERTS_TAPE, a PL/1 program reported January 1973. The
procedure is straight-forward, does not require large core and appears to
result in better sedimentation discrimination than photoanalysis.

(E73-10048) ERTS IMAGE ANALYSIS
Preliminary Report (American Univ.)

HC \$3.00

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CSCL 05B

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G3/13 Unclass
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519000 ' 23SEP72 ' ' SUN EL44 AZ143
33 'DEG' 56 'MIN IS IN ROW' 1029
76 'DEG' 59 'MIN IS IN COLUMN NUMBER'

350

'1'	'IS'	51	'TO'	2000
'2'	'IS'	2001	'TO'	2500
'3'	'IS'	25001	'TO'	3000
'4'	'IS'	30001	'TO'	5000
'5'	'IS'	50001	'TO'	30000

55